

comprising the amino acid sequence of SEQ ID NO:68, a CDRH2 comprising the amino acid sequence of SEQ ID NO:69, a CDRH3 comprising the amino acid sequence of SEQ ID NO:70, a CDRL1 comprising the amino acid sequence of SEQ ID NO:98, a CDRH2 comprising the amino acid sequence of SEQ ID NO:99, a CDRH3 comprising the amino acid sequence of SEQ ID NO:100.

**15.** The method of claim **9**, wherein the subject is of age 60 or older, is immunocompromised, or suffers from a respiratory and/or cardiovascular disorder.

**16.** The method of claim **9**, wherein the delivering is prior to infection.

**17.** The method of claim **9**, wherein the delivering is after infection.

**18.** A vaccine formulation comprising one or more antibodies or antibody fragments of claim **1**.

**19.** The vaccine formulation of claim **18**, further comprising a second antibody or antibody fragment that binds to a SARS-CoV-2 surface spike protein.

**20.** A vaccine formulation comprising one or more expression vectors encoding a first antibody or antibody fragment according to claim **1**.

**21.** A method of detecting COVID-19 infection with SARS-CoV-2 in a subject comprising

(a) contacting a sample from the subject with the antibody or fragment of claim **1**; and

(b) detecting SARS-CoV-2 in the sample by binding of the antibody or antibody fragment to a SARS-CoV-2 antigen in the sample.

**22.** A method of determining the antigenic integrity, correct conformation and/or correct sequence of a SARS-CoV-2 surface spike protein comprising:

(a) contacting a sample comprising the antigen with the antibody or fragment of claim **1**; and

(b) determining antigenic integrity, correct conformation and/or correct sequence of the antigen by detectable binding of the antibody or antibody fragment to the antigen.

**23.** A hybridoma or engineered cell comprising a polynucleotide encoding the antibody or antibody fragment of claim **1**.

**24.** An isolated human monoclonal antibody or antibody fragment, or hybridoma or engineered cell producing the same, wherein the antibody binds to a SARS-CoV-2 surface spike protein.

**25.** An isolated polynucleotide comprising a nucleic acid sequence encoding the heavy chain variable region of the antibody or antibody fragment of claim **1** and/or a nucleic acid sequence encoding the light chain variable region of the antibody or antibody fragment.

**26.** A vector comprising the polynucleotide of claim **25**.

**27.** A host cell comprising the vector of claim **26**.

**28.** A method of making an antibody or antibody fragment comprising (a) culturing the cell of claim **27**; and (b) isolating the antibody or antibody fragment thereof from the cultured cell.

**29.** A composition or kit comprising a first antibody or antibody fragment that binds to a SARS-CoV-2 surface spike protein and a second antibody or antibody fragment that binds to a SARS-CoV-2 surface spike protein, optionally wherein the composition is a pharmaceutically acceptable composition.

**30.** The kit of claim **29**, wherein the first antibody or antibody fragment and the second antibody or antibody fragment are in separate containers.

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